



DEPARTMENT OF THE AIR FORCE
59TH MEDICAL WING (AETC)
JOINT BASE SAN ANTONIO - LACKLAND TEXAS

30 MAR 2016

MEMORANDUM FOR MDW/ST
ATTN: DEBRA M NIEMEYER

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled Research Overview presented at SAMHS/Col Baine & SAUSHEC/Dr Jones (additional briefers) Combine Presentation to SA Chamber of Commerce 7 April 2016 with MDWI 41-108, and has been assigned local file #16140.
2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.
3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are 59 MDW staff member, we can forward your request for funds to the designated wing POC.
4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

LINDA STEEL-GOODWIN, Col, USAF, BSC
Director, Clinical Investigations & Research Support

PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS			
1. TO: CLINICAL RESEARCH	2. FROM: (Author's Name, Rank, Grade, Office Symbol) Dr. Debra M. Niemeyer, Col-ret, GS-15, 59MDW/ST	3. GME/GHSE STUDENT: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	4. PROTOCOL NUMBER: N/A
5. PROTOCOL TITLE: (NOTE: For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.) N/A			
6. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED: Research Overview			
7. FUNDING RECEIVED FOR THIS STUDY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO FUNDING SOURCE:			
8. DO YOU NEED FUNDING SUPPORT FOR PUBLICATION PURPOSES: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
9. IS THIS MATERIAL CLASSIFIED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA), MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUAL PROPERTY RIGHTS AGREEMENT ETC.? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO NOTE: If the answer is YES then attach a copy of the Agreement to the Publications/Presentations Request Form.			
11. MATERIAL IS FOR: <input checked="" type="checkbox"/> DOMESTIC RELEASE <input type="checkbox"/> FOREIGN RELEASE CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.			
<input type="checkbox"/> 11a. PUBLICATION/JOURNAL (List intended publication/journal.)			
<input type="checkbox"/> 11b. PUBLISHED ABSTRACT (List intended journal.)			
<input type="checkbox"/> 11c. POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)			
<input checked="" type="checkbox"/> 11d. PLATFORM PRESENTATION (At civilian institutions: name of meeting, state, and date of meeting.) SAMHS/COL Baine & SAUSHEC/Dr Jones are the other briefers; combined resenation to SA Chamber of Commerce 7 April 2016			
<input type="checkbox"/> 11e. OTHER (Describe: name of meeting, city, state, and date of meeting.)			
12. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).			
DATE 24-Mar-2016			
13. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email) Sylvia, Victor L. victor.sylvia.ctr@us.af.mil			14. DUTY PHONE/PAGER NUMBER 292-3513
15. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.			
LAST NAME, FIRST NAME AND M.I.	GRADE/RANK	SQUADRON/GROUP/OFFICE SYMBOL	INSTITUTION (If not 59 MDW)
a. Primary/Corresponding Author Niemeyer, Debra M.	GS-15	59MDW/ST	
b.			
c.			
d.			
e.			
f.			
I CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.			
16. AUTHOR'S PRINTED NAME, RANK, GRADE Debra Niemeyer, PhD, GS-15, DAF	17. AUTHOR'S SIGNATURE NIEMEYER DEBRA M.1022593567 <small><i>(Digitally signed by NIEMEYER DEBRA M.1022593567 (DN: cn=US, o=U.S. Government, ou=DAF, ou=AF, ou=USAF, ou=NIEMEYER DEBRA M.1022593567 Date: 2016.03.22 14:40:58 -0500)</i></small>		18. DATE March 22, 2016
19. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE GLENN A. YAP, Col, USAF, MSC Vice Commander, 59th Medical	20. APPROVING AUTHORITY'S SIGNATURE YAP.GLENN.A.1079111739 <small><i>(Digitally signed by YAP GLENN A.1079111739 (DN: cn=US, o=U.S. Government, ou=DAF, ou=AF, ou=USAF, ou=YAP GLENN A.1079111739 Date: 2016.03.22 15:46:40 -0500)</i></small>		21. DATE 22 March 2016

PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS		
1st ENDORSEMENT (59 MDW/SGVU Use Only)		
TO: Clinical Research Division 59 MDW/CRD Contact 292-7141 for email instructions.	22. DATE RECEIVED 3/23/2016	23. ASSIGNED PROCESSING REQUEST FILE NUMBER 16140
24. DATE REVIEWED 23 Mar 2016		25. DATE FORWARDED TO 502 ISG/JAC
26. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES If yes, give date. <u>23 Mar 2016</u> <input type="checkbox"/> N/A		
27. COMMENTS <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED The author added the DoD disclaimer statement to her presentation. The presentation is approved.		
28. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER Rocky Calcote, PhD, Clinical Research Administrator	29. REVIEWER SIGNATURE CALCOTE ROCKY.D.1178245844 <small>Digitaly signed by CALCOTE ROCKY.D.1178245844 DN: cn=US, ou=US Government, ou=USAF, ou=USAF email=CALCOTE.ROCKY.D.1178245844 Date: 2016.03.23 15:37:16 -0500</small>	
2nd ENDORSEMENT (502 ISG/JAC Use Only)		30. DATE
31. DATE RECEIVED	32. DATE FORWARDED TO 59 MDW/PA	
33. COMMENTS <input type="checkbox"/> APPROVED (In compliance with security and policy review directives.) <input type="checkbox"/> DISAPPROVED		
34. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER	35. REVIEWER SIGNATURE	36. DATE
3rd ENDORSEMENT (59 MDW/PA Use Only)		
37. DATE RECEIVED March 24, 2016	38. DATE FORWARDED TO 59 MDW/SGVU March 29, 2016	
39. COMMENTS <input checked="" type="checkbox"/> APPROVED (In compliance with security and policy review directives.) <input type="checkbox"/> DISAPPROVED		
40. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER Christopher Carwile, TSgt/E-6, NCOIC, PA	41. REVIEWER SIGNATURE CARWILE CHRISTOPHER STEW ART.1280477229 <small>Digitaly signed by CARWILE CHRISTOPHER STEWART.1280477229 DN: cn=US, ou=US Government, ou=USAF, ou=USAF email=CARWILE.CHRISTOPHER.STEWART.1280477229 Date: 2016.03.29 08:45:47 -0500</small>	
4th ENDORSEMENT (59 MDW/SGVU Use Only)		
43. DATE RECEIVED	44. SENIOR AUTHOR NOTIFIED BY PHONE OF APPROVAL OR DISAPPROVAL <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> COULD NOT BE REACHED <input type="checkbox"/> LEFT MESSAGE	
45. COMMENTS <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		
46. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER	47. REVIEWER SIGNATURE	48. DATE



DEPARTMENT OF THE AIR FORCE
AIR EDUCATION AND TRAINING COMMAND

23 March 2016

MEMORANDUM FOR 59 MDW/SGVU

ATTN: Dr. Debra Neimeyer

FROM: 502 ISG/JA

SUBJECT: Ethics Review for Presentation Approval Request

1. BLUF: A request for a legal review of a platform presentation titled "59th Medical Wing: Research Overview" was submitted by Dr. Debra Neimeyer. The abstract is legally sufficient.
2. FACTS: An abstract titled "59th Medical Wing: Research Overview" was submitted for platform presentation. The authors plan to present this research at the San Antonio Chamber of Commerce in San Antonio, TX, on 7 Apr 2016.
3. LAWS AND REGULATIONS: DoD 5500.07-R, Joint Ethics Regulation (JER), section 3-305 lays out rules governing "Teaching, Speaking and Writing." If the presentation will "deal in significant part with any ongoing or announced policy, program or operation" of the Air Force, the presenter is required to include a disclaimer that states the "views presented are those of the speaker or author and do not necessarily represent the views of DoD or its Components."
4. ANALYSIS: Although the presentation does not "deal in significant part with any ongoing or announced policy, program or operation" of the Air Force, the presenters' affiliation and/or ranks will be included in the abstract, poster, and platform presentations. Additionally, research and information to be discussed in the presentation was obtained as part of their military medical practice. The authors included the required disclaimer that the views presented are those of the authors and do not necessarily represent the views of DoD or its Components. A Public Affairs review may be needed if it has not already been obtained. There are no apparent conflicts of interest that would prohibit presentation of this research at this professional meeting.
5. CONCLUSION: The abstract presented for review included the disclaimer required by the JER. The disclaimer must be given during the platform presentation. If you have any questions, please call Capt Austin Black at 671-3367.

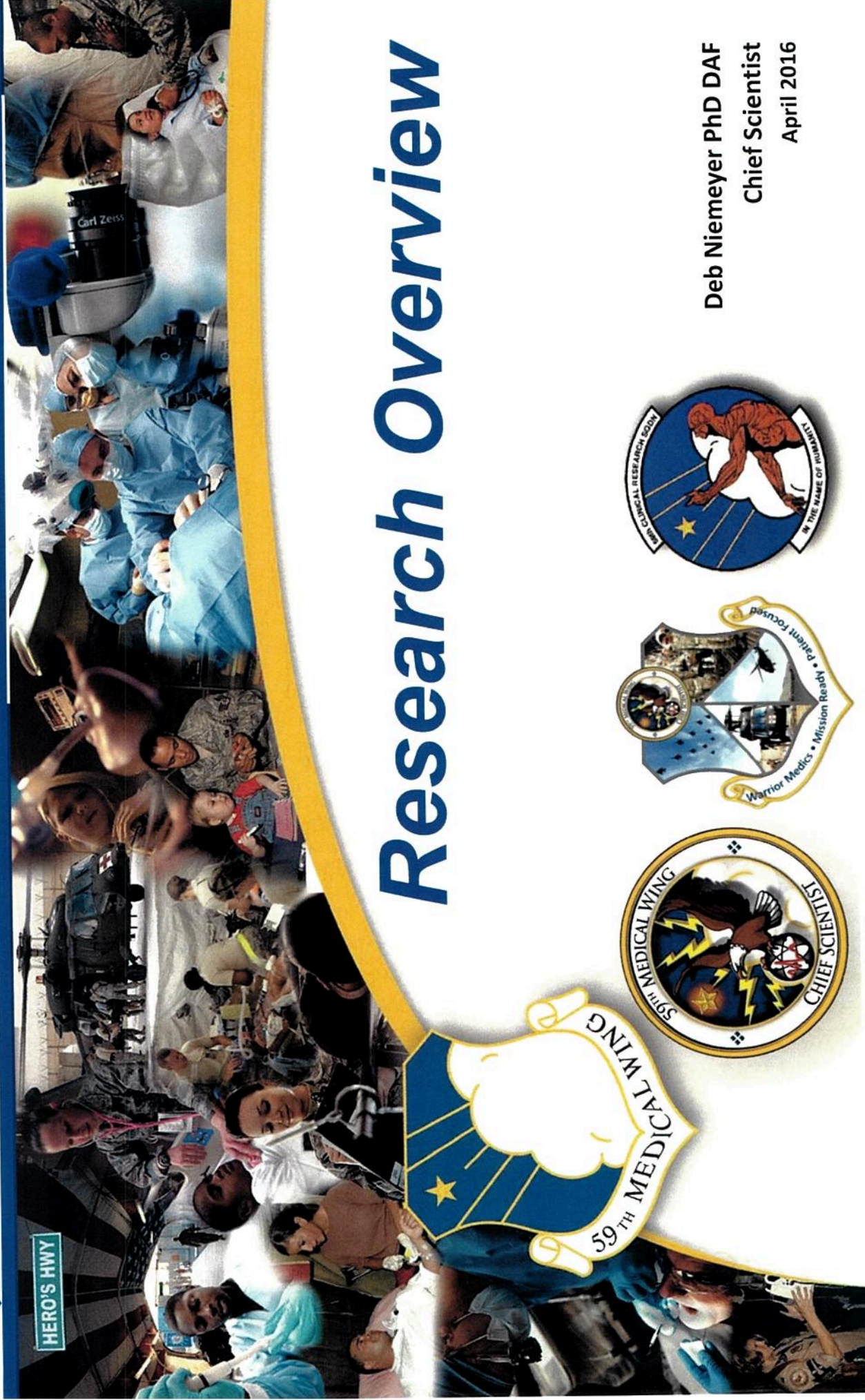
AUSTIN D. BLACK, Capt, USAFR
Assistant Staff Judge Advocate

I concur.

MARK E. COON, Major, USAF
Acting Chief, Civil Law



59th Medical Wing



Research Overview



Deb Niemeyer PhD DAF
Chief Scientist
April 2016



Disclaimer



The views expressed are those of the author and do not reflect the official views or policy of the Department of Defense or its Components.



Research Portfolio



Wing Research Lanes

Trauma,
Resuscitation,
Stabilization &
En Route Care

Advanced
Diagnostics &
Therapeutics

Clinical &
Rehabilitative
Medicine

Medical Modeling,
Simulation Training

Dental and Nursing,
Research

Clinical Investigation
Program
(GHSE/GME)



Lifesaving Interventions (LSI): The purpose of this study is to describe the incidence and efficacy of specific prehospital LSIs, consistent with the Tactical Combat Casualty Care paradigm, performed during the resuscitation of casualties in a combat zone.

Comprehensive Adult Extracorporeal Support Program: Extracorporeal membrane oxygenation is a technique of providing both cardiac and respiratory support oxygen to patients whose heart and lungs are severely diseased or damaged. Will develop a comprehensive capability to provide extracorporeal support to adult patients in SAMMC catchment area and for combat casualties who exceed conventional transport capabilities.

The Trauma Specific Vascular Injury Shunt (TS-VIS): Limb injury from decreased blood flow can occur with blood vessel injuries, and may result in the need for limb amputation. Restoration of limb circulation prior to irreversible injury may result in additional injury from toxic oxygen derivatives. This study examines newly designed TS-VIS and will test for insertion ease, patency in the artery, and adequacy in keeping in-line flow to injured limbs.

Fractionated CO2 Laser and Burn Scar Contractures: Evaluation of Post-Treatment Scar Function and Appearance- This study aims to improve range of motion, scar compliance, and aesthetics of erythema and pigmentation, while decreasing scar thickness and minimizing side effects and the potential complications of treatment while identifying non-surgical modalities that result in expansion of the skin and reduced tension in burn contracture scars and increased pliability of burn contracture scars.

Characterization of the Proteomic Response to Hydrocodone : A Preliminary Study to Understand Physiological Responses of Opioid Abuse, Overdose, and Pain- Use of oral fluid proteomes to understand mechanism of individual predilection for drug abuse will provide new tools to reduce substance abuse (e.g. tailor drug therapy, counseling, preventive therapies).

Genetic Epidemiology of Risk-Associated Single Nucleotide Polymorphisms (SNPs) of Type 2 Diabetes (T2D) Mellitus: This study compares genetic marker incidence between T2D patients and controls within retired military/dependent populations. It also establishes frequency of heterozygosity vs. homozygosity of SNP alleles by allelic discrimination, determines statistically significant genetic markers for T2D, and assesses individual T2D risk within the active duty population.



San Antonio Military Medical Research

Strong DoD-Federal-Academia-Industry Synergy



San Antonio Military
Medical Center



Audie L. Murphy VA Memorial Hospital



Center for the Intrepid



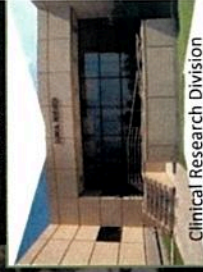
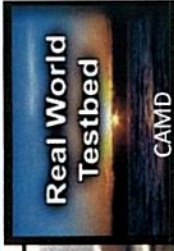
Battlefield Health &
Trauma Research Institute



Tri-Service Research Laboratory
NAMRU/SA, 711th HPW



Wilford Hall
Ambulatory Surgical Center



Clinical Research Division



UT Health Science Center San Antonio



UT San Antonio

AF Post-Graduate Dental School & Clinic

Biomed SA

"San Antonio. City of Science and Health."



Collaborations



Conducting and Supporting Research at 70 sites Worldwide

Success through Collaboration and Innovation...





BACKUP SLIDES



Core Research Competencies (CRC)

AFMS Mission Alignment



En Route Critical Care CRC*

Conduct far forward research to enhance comprehensive quality of care from POI to definitive care including patient stabilization, preparation for movement, staging, and in-flight/in-transit critical care.



Sub-CRCs

- Life Saving Interventions
- Innovative Medical Technologies/Procedures
- Emergency, Preservation, Resuscitation (EPR)
- Training and Education

*TCCET/MERT/CCATT/TACEVAC/MEDEVAC



Force Health Protection CRC

Protection from biological/infectious disease, radiological, noise hazards and other environmental threats, and enhancing injury prevention.



Sub-CRCs

- Targeted Risk Identification
- Health Surveillance, Infection, Injury & Immunity
- Hazard Detection, Evaluation & Mitigation
- Directed Energy/Radiation (ID, Treatment)
- Large-scale Databases ("Omics"/Bioinformatics)

Expeditionary Medicine CRC

Conduct research to enhance point of injury care towards decreasing morbidity and mortality. Design, develop, demonstrate, and translate materiel and non-materiel interventions to improve patient quality of life.



Sub-CRCs

- Extending the Golden Hour/EPR
- Aortic Hemostasis and Resuscitation
- Inflammation Modulation of Trauma
- Trauma, Hemostasis and Resuscitation
- Vascular Injury and Forward Damage Control Surgery

Operational Medicine CRC

Prevention, diagnosis and treatment of disease; validate advanced treatments and technologies for the delivery of highest quality of care.



Sub-CRCs

- Regenerative/Restorative Medicine
- Military Health & Resiliency ("Readiness")
- Personalized Medicine ("Omics"/Bioinformatics)
- Psych, Pain & Substance Abuse
- Population Health (In-garrison Healthcare)